PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants:	Brent M. Segal, et al	Examiner: TBA
Serial No.:	10/693,241	Group Art Unit: 2818
Filed:	October 24, 2003	
For:	**Device Selection Circuitry Construed with Nanotube Technology**	
Atty. Docket No.:	112020.126US2 / NAN-2	

CERTIFICATE OF MAILING UNDER 37 C.F.R. 1.8(a)

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Tina M. Dougal

Commissioner for Patents
P.O. Box 1450
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INFORMATION DISCLOSURE STATEMENT

Sir:

Pursuant to 37 C.F.R. §1.97, Applicants hereby makes of record the publications listed on the attached Form PTO-1449 and enclose copies herewith.

It is respectfully requested that the information above be expressly considered during the prosecution of this application and that the publications be made of record therein and appear among the "References Cited" on any patent to issue therefrom. In this regard, it is requested that the Examiner initial and return a copy of the enclosed Form PTO-1449 with the next Patent Office Communication.

This submission does not represent that a search has been made and does not constitute an admission that the listed publications are material to patentability or that the listed publications are prior art.

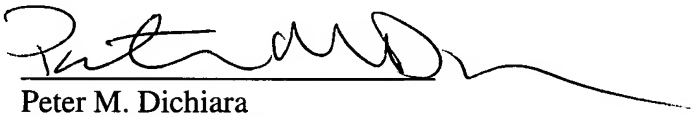
Applicants further reserves the right to take appropriate action to establish the patentability of the disclosed invention over the listed publications should the publication be applied against the claims of the present application.

It is Applicants' belief that the filing of this Information Disclosure Statement precedes the date of the mailing of the first Office Action on its merits; therefore, pursuant to 37 C.F.R. §1.97(b)(3), no fee is believed to be due.

In the event a fee is due, the Commissioner is authorized to charge any fee deficiency or credit any overpayment to Deposit Account No. 08-0219.

Respectfully submitted,

Dated: February 27, 2004



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TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	10/693,241
Filing Date	10/24/2003
First Named Inventor	Segal, et al
Art Unit	2818
Examiner Name	TBA
Attorney Docket Number	112020.126US2 NAN-2

ENCLOSURES *(Check all that apply)*

- ☐ Fee Transmittal Form
- ☐ Fee Attached
- ☐ Amendment/Reply
- ☐ After Final
- ☒ Affidavits/declaration(s)
- ☐ Extension of Time Request
- ☐ Express Abandonment Request
- ☑ Information Disclosure Statement
- ☐ Certified Copy of Priority Document(s)
- ☐ Response to Missing Parts/ Incomplete Application
- ☐ Response to Missing Parts under 37 CFR 1.52 or 1.53
- ☒ Drawing(s)
- ☐ Licensing-related Papers
- ☐ Petition
- ☐ Petition to Convert to a Provisional Application
- ☐ Power of Attorney, Revocation Change of Correspondence Address
- ☐ Terminal Disclaimer
- ☐ Request for Refund
- ☐ CD, Number of CD(s) _____
- ☐ After Allowance communication to Group
- ☐ Appeal Communication to Board of Appeals and Interferences
- ☐ Appeal Communication to Group **(Appeal Notice, Brief, Reply Brief)**
- ☐ Proprietary Information
- ☐ Status Letter
- ☑ Other Enclosure(s) (please Identify below):
  - Postcard

Remarks

1. PTO Form 1449 (3 pgs.)
2. 52 Publications

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

Firm or Individual name	Peter M. Dichiara
Signature	
Date	02/27/2004

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Typed or printed name	Tina M. Dougal		
Signature	Tina M. Dougal	Date	02/27/2004

Subst. For, PTO-1449

INFORMATION DISCLOSURE IN AN APPLICATION

(Use several sheets if necessary)

Docket Number	Application Number
112020.126US2 NAN-2	10/693,241
Applicant: Segal, et al.	
Filing Date: October 24, 2003	Group Art Unit: 2818

Sheet 1 OF 3

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	2001/0004979	06/28/01	Han et al.	216	4	
	2002/0125805	09/12/2002	Hsu	313	309	
	2002/0112814	08/22/02	Hafner, et al.	156	272.2	
	2002/0130353	09/19/02	Lieber et al.	257	315	
	2002/0160111	10/31/02	Sun et al.	427	248.1	
	2002/0172639	11/12/02	Horiuchi	423	477.2	
	2002/0173083	11/21/02	Avouris et al.	438	129	
	2002/0175323	11/28/02	Guillom et al.	257	10	
	2002/0175390	11/28/02	Goldstein et al	257	481	
	2002/0179434	12/5/02	Dai et al.	204	242	
	2003/0004058	01/02/03	Li, et al.	502	258	
	2003/0021966	01/30/03	Segal, et al.	428	209	
	5,973,444	10/26/99	Xu et al.	313	309	
	6,159,620	12/12/00	Heath et al.	428	615	
	6,187,823	02/13/01	Haddon et al.	516	32	

Foreign Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES	TRANSLATION NO
	WO 01/44796	6/21/01	PCT				
	WO 01/03208	1/11/01	PCT				
	EP 1,096,533	95/02/01	Europe				

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	A1	Snow, E. et al, "Random Networks of Carbon Nanotubes as an Electronic Material," Applied Physica Letter, March 31, 2003, Vol. 82, No. 13, pgs. 2145-2147.
	A2	Li, Y., et al., "Growth of Single-Walled Carbon Nanotubes from Discrete Catalytic Nanoparticles of Various Sizes," The Journal of Physical Chemistry *B* (2001); 105, 11424.
	A3	Bonard, J., et al., "Monodisperse Multiwall Carbon Nanotubes Obtained with Ferritin as Catalyst," Nano Leters, (2002), Vol. 2, No. 6, pgs. 665-667
	A4	Colomer, J. F., et al., "Characterization of Single-Walled Carbon Nanotubes Produced by CCVD Method," *Chemical Physics Letters* (2001); 345, 11-17.

EXAMINER	DATE CONSIDERED

EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP § 609: Draw Line through citation if not conformance and not considered. Include copy with next communication to applicant.

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INFORMATION DISCLOSURE IN AN APPLICATION				112020.126US2 NAN-2	10/693,241
(Use several sheets if necessary)				Applicant	
				Segal, et al.	
Sheet	3	OF	3	Filing Date	Group Art Unit
				October 24, 2003	2818

	A14	Collins, P., et al., "Engineering Carbon Nanotubes and Nanotube Circuits Using Electrical Breakdown," Science (2001); 292: 706-709.
	A15	Kim, W., et al., "Synthesis of Ultralong and High Percentage of Semiconduction Single-walled Carbon Nanotubes," *Nano Letters* (2002); Vol. 2 No. 7 703-708. **Published on web 6/01/02**
	A16	Liu, et al., "Organizing Single-Walled Carbon Nanotubes on Gold Using a Wet Chemical Self-Assembling Technique, Langmuir," April 18, 2000, Vol. 16, No. 8, 3659-3573
	A17	Soh, et al., "Integrated Nanotube Circuits: controlled growth and ohmic contacting of single-walled carbon nanotubes," Applied Physics Letters, August 2, 1999, Vol. 75, No. 5, 627-629
	A18	Zheng et al, "Chemical Vapor Deposition Growth of Well-Aligned Carbon Nanotube Patterns on Cubic Mesoporous Silica Films by Soft Lithography, Chemistry of Materials, June 9, 2001, Vol. 13, 2240-2242
	A19	Huang, et al., "Patterned Growth of Well-Aligned Carbon Nanotubes: A Soft-Lithographic Approach," The Journal of Physical Chemistry B., March 16, 2000, Vol. 104, No. 10, 2193-2196
	A20	Chattopadhyay, et al., "Metal-Assisted Organization of Shortened Carbon Nanotubes in Monolayer and Mulilayer Forest Assemblies," Journal of the American Chemical Society, August 28, 2001, Vol. 123, 9451-9452

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U.S. Patent Documents						
EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	6,198,655	03/6/01	Heath et al.	365	151	
	6,232,706	05/15/01	Dai et al.	313	309	
	6,250,984	06/21/01	Jin et al.	445	51	
	6,277,318	08//21/01	Bower	264	346	
	6,322,713	11/27/01	Choi et al.	216	38	
	6,350,488	02/26/02	Lee et al.	427	249.1	
	6,407,443	06/18/02	Chen et al	257	616	
	6,413,487	07/02/02	Resasco et al.	423	447.3	
	6,432,740	08/13/02	Chen	438	99	
	6,495,116	12/17/02	Herman	423	447.3	
	6,515,339	02/04/03	Shin et al.	257	368	
	6,518,156	02/11/03	Chen et al	438	597	
	6,566,983	05/20/03	Shin	333	193	
	6,574,130	06/03/03	Segal et al.	365	129	

Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)		
	A5 X	Li, Y. et al., "Preparation of Monodispersed Fe-Mo Nanoparticles as the Catalyst for CVD Synthesis of Carbon Nanotubes," Chem. Mater., 12. 1008, 2001.
	A6 X	Homma, Y., "Single-Walled Carbon Nanotube Growth on Silicon Substrates Using Nanoparticle Catalysts," Jpn. J. Appl. Phys., (220) Vol. 41, pgs. L89-L91.
	A7 X	Delzeit, L., et al., "Multilayered Metal Catalysts for Controlling the Density of Single-walled Carbon Nanotube Growth," Chemical Physics Letters, 348, 368, 2001.
	A8 X	Wei, Y., et al., "Effect of Catalyst Film Thickness on Carbon Nanotube Growth by Selective Area Chemical Vapor Deposition," *Applied Physics Letters* (2001); Vol. 78, pgs. 1394-1396.
	A9 X	Su, M., et al., "A Scalable CVD Method for the Synthesis of Single-Walled Carbon Nanotubes with High Catalyst Productivity." *Chemical Physics Letters* (2000); Vol. 322, 231-326.
	A10 X	Harutyunyan, A., et al., "CVD Synthesis of Single Wall Carbon Nanotubes under 'Soft' Conditions," *Nano Letters* Vol. 2c no 5 525 (2002); **Published on web 3/27/02**
	A11 X	Li, Q., et al., "High-Density Growth of Single-Wall Carbon Nanotubes on Silicon by Fabrication of Nanosized Catalyst Thin Films," *Chem. Mater.* (2002), 14, 4262; **Published on web 9/11/02**
	A12 X	Javey, A., et al., "Carbon Nanotube Transistor Arrays for Multistage Complementary Logic and Ring Oscillators," *Nano Letters* (2002); Vol. 2 No. 9 929-932. **Published on web 7/31/02**
	A13 X	Kong, J., et al., "Syntheses of Individual Single-Walled Carbon Nanotubes on Patterned Wafers," *Nature* (1998); 395: 878-881.

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